

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

1110-316

First Inventor

KIM

Title TURBO-CHARGED INTERNAL COMBUSTION ENGINE WITH  
IN-CYLINDER EGR AND INJECTION RATE SHAPING

☒ Applicant for Published Patent Application: MACK TRUCKS, INC.  
Allentown, PA

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner of Patents  
Box Patent Application  
Washington, D.C. 20231

1. ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
3. ☒ Specification Total pages [ 30 ]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross references to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference to sequence listing, a table or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings
  - Detailed Description
  - Claims
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 USC 113) (Total Sheets) [19]
5. ☒ Oath or Declaration (Total Pages) [ 3 ]
  - a. ☐ Newly executed (original or copy)
  - b. ☒ Copy from a prior application  
(37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
**[Note Box 5 below]**
    - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting  
inventor(s) named in the prior application,
6. ☒ Application Data Sheet.

7. ☐ CD-ROM or CD-R in duplicate, large table  
or Computer Program
8. Nucleotide and/or Amino Acid Sequence Submission
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement  
(when there is an assignee)
  - ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement /PTO 1449
  - ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s).
16. ☐ Request and Certification under 35 U.S.C.  
122(b)(2)(B)(i).
17. ☐ Other:

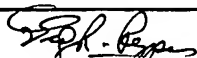
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below or in an  
application Data Sheet under 37 CFR 1.76::

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 10/372,929

Prior application information: Examiner T. Trieu Group/Art Unit 3748

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied  
under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by  
reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

☒ Customer Number or Bar Code Label 6449

Address	Rothwell, Figg, Ernst & Manbeck Suite 800, 1425 K Street, N.W.				
City	Washington	State	D.C.	Zip Code	20005
Country	U.S.A.	Telephone	202-783-6040	Fax	202-783-6031
Name	George R. Repper, Reg. No. 31,414				
Signature				Date 3.30.00	

<b>FEE TRANSMITTAL for FY 2003 (Large Entity)</b>		Complete if Known	
		Application Number	
		Filing Date	Herewith
		First Named Inventor	KIM
		Examiner Name	T. Trieu
		Group Art Unit	3748
Total Amount of Payment	(\$770.00)	Attorney Docket Number	1110-316

**METHOD OF PAYMENT (check one)**

1. ☒ The Commissioner is hereby authorized to charge additional fees and credit any overpayment to Deposit Account Number 02-2135 in the name of Rothwell, Figg, Ernst & Manbeck
- ☒ Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☐ Applicant claims small entity status
2. ☐ Payment Enclosed
- ☐ Check
- ☐ Credit Card

**FEE CALCULATION**
**1. FILING FEE**

Fee Code	Fee \$	Fee Description	Fee Paid
1001	770	Utility filing fee	[770]
1002	340	Design Filing Fee	[ ]
1003	530	Plant Filing Fee	[ ]
1004	770	Reissue Filing Fee	[ ]
1005	160	Provisional Filing Fee	[ ]

**SUBTOTAL \$770**

**2. CLAIMS**

Paid	Extra Claims	Fee	Fee
Total Claims [5] - 20** = [ ] x		\$18 = [ ]	
Independent Claims [1] - 3** = [ ] x		86 = [ ]	
Multiple Dependent Claims +		290 = [ ]	

\*\*or number previously paid, if greater;

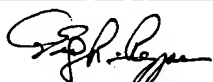
**SUBTOTAL \$**

**FEE CALCULATION (continued)**
**3. ADDITIONAL FEES**

Fee Code	Fee Paid	Fee Description	Fee Paid
1051	130	Surcharge - late filing fee or oath	[ ]
1052	50	Surcharge - late provisional filing fee or cover sheet	[ ]
1053	130	Non-English specification	[ ]
1812	2,520	For filing a request for reexamination	[ ]
1804	920	Requesting publication of SIR prior to Examiner action	[ ]
1804	1,840*	Requesting publication of SIR after Examiner action	[ ]
1251	110	Extension for reply within first month	[ ]
1252	420	Extension for reply within second month	[ ]
1253	950	Extension for reply within third month	[ ]
1254	1,480	Extension for reply within fourth month	[ ]
1255	2,010	Extension for reply within fifth month	[ ]
1401	330	Notice of Appeal	[ ]
1402	330	Filing a brief in support of an appeal	[ ]
1403	290	Request for Oral Hearing	[ ]
1451	1,510	Petition to institute a public use proceeding	[ ]
1452	110	Petition to revive -unavoidable	[ ]
1453	1,330	Petition to revive - unintentional	[ ]
1501	1,330	Utility issue fee (or reissue)	[ ]
1502	480	Design issue fee	[ ]
1503	640	Plant issue fee	[ ]
1460	130	Petitions to the Commissioner	[ ]
1807	50	Processing fee under 37 CFR 1.17(q)	[ ]
1806	180	Submission of Information Disclosure Statement	[ ]
8021	40	Recording each patent assignment per property (times number of properties)	[ ]
1809	770	Filing a submission after final rejection (37 CFR .129(a))	[ ]
1810	770	For each additional invention to be examined (37 CFR 1.129(b))	[ ]
1801	770	Request for Continued Examination (RCE)	[ ]
1802	900	Request for expedited examination of a design application	[ ]
1504	300	Publication fee for early, voluntary, or normal publication	[ ]
1505	300	Publication fee for republication	[ ]
1455	200	Filing application for patent term adjustment	[ ]
1456	400	Request for reinstatement of term reduced	[ ]
Other fee (specify)			[ ]

\* Reduced by Basic Filing Fee Paid

**SUBTOTAL \$**

SUBMITTED BY		Complete (if applicable)	
NAME AND REG. NUMBER	George R. Repper, Reg. No. 31,414		
SIGNATURE		DATE	3-30-04
		DEPOSIT ACCOUNT USER ID	xxx